

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 09/986,234B
Source: 1FW16
Date Processed by STIC: 12/2/04

ENTERED

**CRF Errors Edited by the STIC Systems
Branch**

Serial Number: 09/986,234B

CRF Edit Date: 12/3/04
Edited by: AS

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:
Corrected <1507 response



IFW16

RAW SEQUENCE LISTING

DATE: 12/03/2004

PATENT APPLICATION: US/09/986,234B

TIME: 18:40:48

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12032004\I986234B.raw

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3 <110> APPLICANT: LAZAR, MITCHELL
5 <120> TITLE OF INVENTION: COMPOSITIONS, METHODS AND KITS RELATING TO RESISTIN
7 <130> FILE REFERENCE: 053893-5032-01
9 <140> CURRENT APPLICATION NUMBER: 09/986,234B
10 <141> CURRENT FILING DATE: 2001-10-22
12 <150> PRIOR APPLICATION NUMBER: 60/131,263
13 <151> PRIOR FILING DATE: 1999-04-27
15 <150> PRIOR APPLICATION NUMBER: PCT/US00/11272
16 <151> PRIOR FILING DATE: 2000-04-27
18 <160> NUMBER OF SEQ ID NOS: 5
20 <170> SOFTWARE: PatentIn version 3.2
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24 <212> TYPE: DNA
25 <213> ORGANISM: Mus musculus
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38 gtggctctgc ctgtggctcg tgggacattc gtgaagaaaa agtgtgtcac tgccagtgtg      360
40 caaggataga ctggacagca gcccgctgct gtaagctgca ggctcgcttcc tgatgtcggg      420
42 gaagtgagcg tggtttcag cacagccacc cgttctgtg gctccagaga tgtctgatgt      480
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59 20 25 30
61 Asp Lys Lys Ile Lys Gln Asp Phe Asn Ser Leu Phe Pro Asn Ala Ile
62 35 40 45
64 Lys Asn Ile Gly Leu Asn Cys Trp Thr Val Ser Ser Arg Gly Lys Leu
65 50 55 60
67 Ala Ser Cys Pro Glu Gly Thr Ala Val Leu Ser Cys Ser Cys Gly Ser
68 65 70 75 80
70 Ala Cys Gly Ser Trp Asp Ile Arg Gly Gly Lys Val Cys His Cys Gln
71 85 90 95

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12032004\I986234B.raw

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86 <223> OTHER INFORMATION: n=a,t,c,g
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122      50      55      60
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125 65      70      75      80
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DATE: 12/03/2004

PATENT APPLICATION: US/09/986,234B

TIME: 18:40:48

Input Set : A:\PTO.AMC.txt

Output Set : N:\CRF4\12032004\I986234B.raw

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239	caaacatgac	aaaattaatg	cctcttgcta	ggcatgggtg	ggacaagcac	ttgtagtccc	3060
241	agctactaag	gaggtgacg	tgagagaatt	gcttgagccc	gggagttcga	agctacagtg	3120
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DATE: 12/03/2004

PATENT APPLICATION: US/09/986,234B

TIME: 18:40:48

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12032004\I986234B.raw

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/986,234B

DATE: 12/03/2004
TIME: 18:40:49

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\12032004\I986234B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 140

VERIFICATION SUMMARY

DATE: 12/03/2004

PATENT APPLICATION: US/09/986,234B

TIME: 18:40:49

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\12032004\I986234B.raw

L:83 M:283 W: Missing Blank Line separator, <220> field identifier

L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120



IFW16

RAW SEQUENCE LISTING

DATE: 12/02/2004

PATENT APPLICATION: US/09/986,234B

TIME: 10:26:57

Input Set : A:\053893-5032-01.txt

Output Set : N:\CRF4\12022004\I986234B.raw

3 <110> APPLICANT: LAZAR, MITCHELL
 5 <120> TITLE OF INVENTION: COMPOSITIONS, METHODS AND KITS RELATING TO RESISTIN
 7 <130> FILE REFERENCE: 053893-5032-01
 9 <140> CURRENT APPLICATION NUMBER: 09/986,234B
 10 <141> CURRENT FILING DATE: 2001-10-22
 12 <150> PRIOR APPLICATION NUMBER: 09/131,263 60/131,263
 13 <151> PRIOR FILING DATE: 1999-04-27
 15 <150> PRIOR APPLICATION NUMBER: PCT/US00/11272
 16 <151> PRIOR FILING DATE: 2000-04-27
 18 <160> NUMBER OF SEQ ID NOS: 5
 20 <170> SOFTWARE: PatentIn version 3.2
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 576
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Mus musculus
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 32 tgctgggctc cagcatgcca ctgtgtccca tcgatgaagc catcgacaag aagatcaaac 180
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 50 <211> LENGTH: 114
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Mus musculus
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 59 20 25 30
 61 Asp Lys Lys Ile Lys Gln Asp Phe Asn Ser Leu Phe Pro Asn Ala Ile
 62 35 40 45
 64 Lys Asn Ile Gly Leu Asn Cys Trp Thr Val Ser Ser Arg Gly Lys Leu
 65 50 55 60
 67 Ala Ser Cys Pro Glu Gly Thr Ala Val Leu Ser Cys Ser Cys Gly Ser
 68 65 70 75 80
 70 Ala Cys Gly Ser Trp Asp Ile Arg Gly Gly Lys Val Cys His Cys Gln
 71 85 90 95

Does Not Comply
Corrected Diskette Needed

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Input Set : A:\053893-5032-01.txt

Output Set: N:\CRF4\12022004\I986234B.raw

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76 Ala Ser

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80 <211> LENGTH: 479

81 <212> TYPE: DNA

82 <213> ORGANISM: Homo sapiens

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84 <221> NAME/KEY: misc_feature

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118 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly

119 35 40 45

121 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro

122 50 55 60

124 Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser

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143 caggaggcag aggtttgcgg tgagccgaga ttgcaccact gcactccagc ctgggcaaca 180

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RAW SEQUENCE LISTING

DATE: 12/02/2004

PATENT APPLICATION: US/09/986,234B

TIME: 10:26:57

Input Set : A:\053893-5032-01.txt

Output Set : N:\CRF4\12022004\I986234B.raw

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155	ggctgctccc	cttcttctgt	gtcttcttct	ctcctgggct	cgtcttctcc	cgttctctcg	540
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165	acgtgagctt	gtgatgatgc	gtgacgtcag	gtaggcgctc	ctgactctcc	gtaacccaac	840
167	tttgccctgtg	ccttggggat	tcttccttgc	aggttaggaag	tgaggggtac	aggttccagc	900
169	tctgggctga	gacatgattc	agggttccac	cctgacctgg	ggctcctgga	gtcttggggc	960
171	cctggagggg	cccgctccat	gccagactgc	acccagggtc	tcgatgaagc	ctcattatga	1020
173	ggactggggg	aaaaggaccc	agcaacttcc	tggggagggtc	ggagacccca	gggtgagcgt	1080
175	caaggtagcc	tcaaagatga	gacgtcacct	cttgaaggca	gccatgagcc	ttgggtgggg	1140
177	acgtcactag	aggaagttca	ggccttattt	tcggagggaag	cagttggaga	ccccatagga	1200
179	ggaagggcga	tggggcagta	gaaagtcgcg	gtgtccccgc	cccctccagc	agctacgcgc	1260
181	cccactctct	tggagacgct	agatcagtc	ctccgggctc	actaaagaaa	ccacgcaggg	1320
183	ctcagatccg	ctccatcatc	atcatcatca	tcacatcatc	catctccagg	tttatttcca	1380
185	gctccccgcg	aaccctcccg	gacctggagc	cgcctccgcc	cgcgctgtgc	acgcgctgcg	1440
187	cgcgacctca	gggctgcaca	cgacagcagc	gcgctccggg	ccagtcctatg	cccgcgcaat	1500
189	ggcagtgaca	tgtggtctcg	gcgcgcacat	cccacgagcc	acaggcggag	ccacaagtgc	1560
191	agccggtgac	ggcgaagcct	gcagcccggg	acacaggagc	gtggactctg	agctgggagg	1620
193	ctgaggggtg	gagcgggagg	gggggtgggg	gcgcgggagg	gggttggggg	ggcgggggtg	1680
195	gggacgggga	cggctggagg	ctccaaccac	tgaatgggca	ctggaggcag	ggagtgaggg	1740
197	tggacaccag	tgccagatg	gtgggcggag	aaggctggga	gtcaggacca	agatcctagg	1800
199	ggagttagag	ctggacacgg	ggaacgtggc	ggggaggggg	cattcccagg	ggacttggaa	1860
201	cagaaatggg	cgcctggaca	acagtctcct	gcactcacct	cgggggcaag	tagccaggtc	1920
203	ccccctggag	gtgacgctct	ggcactccag	gccaatgctg	cttattgccc	taaatactgg	1980
205	ggggcaggag	gaaaggagac	agggggagct	gtgagaccaa	acggctccctc	ccccatcctc	2040
207	ccctagccct	gttggtttgg	agctaggtcc	ctgtgggcat	aggagctcac	tggcctccag	2100
209	gaccctgtct	tgagttgggt	gttttggagt	aagggaagg	ttggagttag	agcggggatt	2160
211	gggtttggag	ccgtggataa	gggtggggaca	gtcggagggg	ttgggagtgg	agttgggggt	2220
213	gaatttatga	tctggttga	tttgaggatg	agatttgggtg	agcgtggggg	ctgggttggg	2280
215	gtcaggtctg	tgccagggat	cagttaggtc	tctgagacct	ttggggagct	tgcccaagt	2340
217	gggggtcctc	acttagggag	ccggcgacct	cctggatcct	ctcattgatg	gcttcttcca	2400
219	tggagcacag	ggtcttgcta	gacaccaaca	gccccaggac	agggaggagg	aggagacaga	2460
221	gagctttcat	cctgcaggcg	ctgaaagagg	gaaccaagag	accacagct	ggatcagccc	2520
223	tgccctgtgg	ggaagatccg	gcccattggg	ggagttaggt	ctgcccctgg	acctggaccc	2580
225	ctgtccccc	atgtggggga	cagggatgga	ggctcagcct	tgaccccagc	ctccccgctg	2640
227	gtgccatggc	aagcgcagga	gcagctgtca	cttaccctct	cgggtgggctc	agctaaccac	2700
229	atccggcaca	cgaattcctg	caccgcagct	ctttctttga	ggcctcttgg	ggtggggctt	2760
231	cctggcttgg	ctaataagtc	cctgggcccc	caacctctcg	gtcccacatc	cggggccaag	2820
233	aggaagcccc	tgagcagaca	gtaagggtcg	tcaggaggaag	ggagccttcc	cacttccaac	2880
235	agggcctccg	tcttcatgtc	cagagactgg	tcaggaggtg	gtgccccagg	gataatgcca	2940
237	ggggctgtgg	tctgaggaa	aggttagacaa	gcagagtttt	gcatgcaagg	gtggctgatg	3000
239	caaacatgac	aaaattaatg	cctcttgeta	ggcatgggtc	ggacaagcac	ttgtagtccc	3060
241	agctactaag	gaggctgacg	tgagagaatt	gcttgagccc	gggagttcga	agctacagt	3120
243	acttatgatc	acagcactgc	actccagctc	gggcaacaga	gcaagaccac	ttctctaaaa	3180
245	tagtaataat	aattatgtct	ctgggtgaga	atgacatacc	acattcatac	ccaaatgccc	3240

RAW SEQUENCE LISTING

DATE: 12/02/2004

PATENT APPLICATION: US/09/986,234B

TIME: 10:26:57

Input Set : A:\053893-5032-01.txt

Output Set: N:\CRF4\12022004\I986234B.raw

247	atgagcaata	gaactggtaa	ataaaatcat	ggtttatggc	cgggtggctca	cgccctgtaat	3300
249	cccagcactt	tgggaggcca	aggcgggccc	atcacttgag	gtcaggagct	tgagaccaac	3360
251	ctggccaaca	tgatgaaacc	ctgtctccat	tagacataca	aaaattaact	gggcgtggtg	3420
253	gcgtgtgcct	gtaatcccag	ctacttgagg	ggctgaggtg	ggagaatcac	ttgaaccggg	3480
255	gatgtggagg	ttgcagtgc	ctgagatcgt	gcccctgcac	tccatcctgg	atgactagct	3540
257	tgggcacccat	agcaagactc	catctcaaaa	agaagaaaga	aaaatcatgg	tttattccat	3600
259	caatggcatc	acctgcaaca	gaagtgggaa	agccattgct	catggggccaa	ggccagctc	3660
261	atgtttcttc	ttggaccacc	catgagcttg	gaatggttat	acatttttat	ttgttctttg	3720
263	tttccagtac	aacgggcctt	tttgtggtaa	aatacatata	acatacaact	taccattata	3780
265	acttactttt	ttctgttttt	gagacggaat	cttgctctgt	cgcccaggct	ggagtgcagt	3840
267	ggcgcgatct	cggctcacta	caagctccgc	ctcctgggtt	cacgccattc	tcctgcttca	3900
269	gcctcccaag	tagctgggac	tacaggcgcc	tgccaccacg	cccagcta	ttttgtatt	3960
271	tttttttttt	tagtagagat	ggagtttcac	cgtgttagcc	aggatggctc	cgatcccctg	4020
273	accttgtgat	ctgcccgcct	tggcctccca	aagtgtctgg	attacaggcg	tgaaccaccg	4080
275	tgcccggcct	tttttttttt	ttttttgaga	cggggtcttg	ctatgttgcc	caagctagt	4140
277	tcagactcct	ggcttcaagt	aatcctccca	ccttggaactc	cccagtagct	gaagctacag	4200
279	gtatgcacca	tcttgttcca	ttttaaccat	tgtttttgtt	tgtttctttg	tttcagagtc	4260
281	tcactcagtt	gctcaggctg	gagtacagt	gctcaatctt	ggctcactgc	aacctccacc	4320
283	tcctgggttc	aagcaattct	cctgcctcag	cctcccaggt	agctgggatt	acaggcgtgc	4380
285	accaccatgc	ccggctaatt	ttttgtattt	ttagtagaga			4420

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/02/2004
PATENT APPLICATION: US/09/986,234B TIME: 10:26:58

Input Set : A:\053893-5032-01.txt
Output Set: N:\CRF4\12022004\I986234B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 140

VERIFICATION SUMMARY

DATE: 12/02/2004

PATENT APPLICATION: US/09/986,234B

TIME: 10:26:58

Input Set : A:\053893-5032-01.txt

Output Set: N:\CRF4\12022004\I986234B.raw

L:83 M:283 W: Missing Blank Line separator, <220> field identifier
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120